

codons all of which are common codons; it has a continuous stretch of common codons which comprise at least 33% of the codons of the synthetic nucleic acid sequence; at least 94% or more of the codons in the sequence encoding the protein are common codons and the synthetic nucleic acid sequence encodes a protein of at least about 90 amino acids in length; it is at least 80 base pairs in length and which is free of unique restriction endonuclease sites that would occur in the message optimized sequence; and

DNA sequences, sufficient for expression of the exogenous synthetic DNA in the transfected primary or secondary cell;

the primary or secondary cell capable of expressing the protein or polypeptide product.--


REMARKS

Applicants have elected Group I, directed to synthetic nucleic acids, host cells, and methods of making the nucleic acids. As a result of electing Group I, applicants have cancelled all claims and entered new claims 64 to 135, which more adequately focus on the subject matter of the elected Group I. Applicants believe that the cancelled claims are patentable, but has replaced them with claims 64 to 135 solely for the purpose mentioned above. Thus, new claims 64 to 135 are supported by original claims 1-48 and 58-63, and by the application as filed. No new matter has been added.

Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

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